GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 7226 Type C40

Standard Specification for Cold-Rolled Medium, High Carbon and Low Alloy Steel Strip for General Engineering Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - IS 7226 Type C40 Cold-Rolled Medium, High Carbon and Low Alloy Steel Strip for General Engineering Purposes

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry - Steel and Strip

Chemical Composition		
Carbon	C %	0.350 - 0.450
Manganese	Mn %	0.600 - 0.900
Silicon	Si %	0.150 - 0.350
Sulphur	S %	0.040 max.
Phosphorus	P %	0.040 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing

Mechanical Properties	
Tensile Strength in Mpa	-
Proof Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HRC	28 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
SAE J 1249 4042	AISI	USA	Steel
J 1249 4042	SAE	USA	Steel
SA-574 4042	ASME	USA	Steel
G 40420	UNS	USA	Steel
A 519 4042	ASTM	USA	Steel and Tubing
A 752 4037	ASTM	USA	Steel and Wire Rods
A 519 4037	ASTM	USA	Steel and Tubing

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.